



Product Description

- Flexible, durable, breathable and corrosion resistant
- One-sided silicone coating, 1 mm thick. Does not impair breathability. Perfect as weather/ rain barrier where suitable as an alternative to metal jacket
- Constructed of type E fiberglass and impregnated with fluorocarbon resins
- Maximum use temperature 650°C (1200°F)
 - For use above 315°C (600°F), safe for outdoors and well-ventilated areas
- Hydrophobic to 315°C (600°F) continuous
- No smoke up to 315°C (600°F)
- Very good thermal conductivity
- Easy to cut and install
- No dust from particulate
- Available in various width rolls up to 180 cm (72 in.)
- Small width rolls can be spiral wrapped, like tape, for efficient installation on small diameters
- Perfect for piping and equipment where insulation must remain dry

Physical Properties

Color	Grey
Density	144 to 192 kg/m ³ (9 to 12 lb/ft ³)
Thickness	8 mm (0.3 in), 16 mm (0.63 in), 20 mm (0.79 in)
Maximum Use Temp	E-glass 649°C; S-glass 760°C; 90%+ SiO ₂ 982°C
Width	5 cm (2 in). to 182 cm (72 in)
Roll Length	As requested. Maximum is dependent on thickness
Hydrophobic	Continuous to 315°C (600°F)
Silicone Coating	Continuous to 260°C (500°F)

Material Performance Data

Test Method	Performance	Value
ASTM C356	Linear Shrinkage Under Soaking Heat	<2% @ 649°C
ASTM C795	Corrosiveness over Austenitic SS	Passed
ASTM C1101	Classifying Flexibility	Resilient Flexibility
ASTM C1104	Water Vapor Absorption	<1% (by wt)
ASTM C1338	Fungi Resistance	Passed
ASTM C1763	Water Absorption by Immersion	Procedure B, <5%
ASTM C1511	Liquid Water Retention Post-submersion	<5% (AHT)
ASTM E84	Surface Burning Characteristics	FSI=20 ; SDI=160



Thermal Performance per ASTM C177

Temperature (°C)	0	100	200	300	400	500	600
Thermal Conductivity (W/m*K)	0.03	0.04	0.06	0.07	0.09	0.10	0.13

Temperature (°F)	32	212	392	572	750	932	1112
Thermal Conductivity (Btu·in/hr·ft ² ·°F)	0.23	0.30	0.39	0.49	0.59	0.71	0.93

CAUTION: Lewco Super Mat is not recommended for INDOOR applications to equipment which will operate above 600°F (315°C).

This information is given in good faith and is believed to be accurate. No expressed or implied warranty of any kind including those of merchantability or fitness for a particular purpose is made as to the performance of an installation. Super Insulation, LLC does not take any responsibility for misuse of these products and recommends testing before use.



Lot 2, 6 Langar Way, Landsdale
Perth, WA, 6065
Phn : +618 6201 6153
enquiries@sealumet.com
www.sealumet.com